



PRODUCT DESCRIPTION

The BMS-S819P-PIR-1-BLE-SR-SMO Bluetooth® PIR Sensor combines passive infrared (PIR) motion detection with Bluetooth® mesh networking, delivering reliable occupancy sensing for high-bay, low-bay, and outdoor applications.

ORDERING INFORMATION

Description
Passive Infrared(PIR) Occupancy Sensor with Bluetooth®
Part Number
BMS-S819P-PIR-1-BLE-SR-SMO
Add Suffix for Options
LS02-LB5-WH
360° Low Bay Lens, Max.detection radius 30ft; Max. mounting height 25ft, white finish
LS02-HB6-WH
360° High Bay Lens, Max.detection radius 30ft; Max. mounting height 40ft, white finish

TECHNICAL DATA

Type	Passive Infrared (PIR) Sensor
Input Power	120/277VAC, 50/60Hz
Control Output	0-10V, max. 25mA sinking current
Max. Load	
Resistive/Tungsten	600W@120V
Electronic Ballast	800W@120V / 1200W@277V
Detection angle	360°
Max. Bluetooth Range	200ft(60m), typical outdoor
Max. Detection Radius	30ft low bay lens / high bay lens
Max. Mounting Height	25ft low bay lens 40ft high bay lens
Operating temperature	-40°F to 167°F (-40°C to 75°C)
IP Rating	IP65

FEATURES

- PIR motion detection with 360° coverage.
- Supports zoning, high-end trim, and bi-level dimming.
- Features onboard antenna, LED motion indicator, and magnetic reset.
- All 0-10V devices on the line are broadcast-controlled via mobile app.

Smart Connectivity

The Bluetooth mesh network extends control range up to 200ft(60m) by relaying signals between devices, enabling broader coverage. Bluetooth® SIG mesh enables wireless 0-10V dimming, zoning, and broadcast control via mobile app.

Range may vary based on environmental conditions.

Precise Detection

PIR technology with 360° coverage ensures precise motion sensing, supported by high/low bay lenses for mounting heights up to 40ft.

Easy Integration

Features an LED motion indicator, magnetic reset function, and low-voltage connector for easy installation.

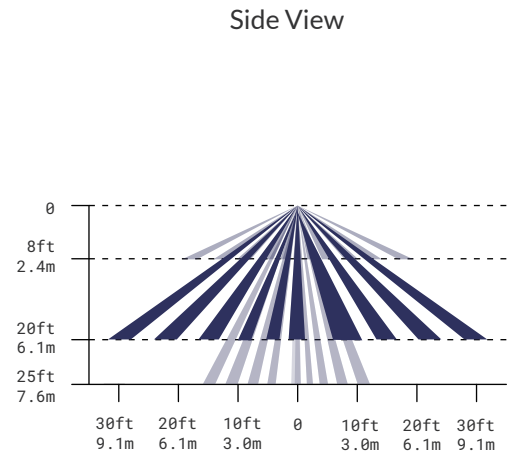
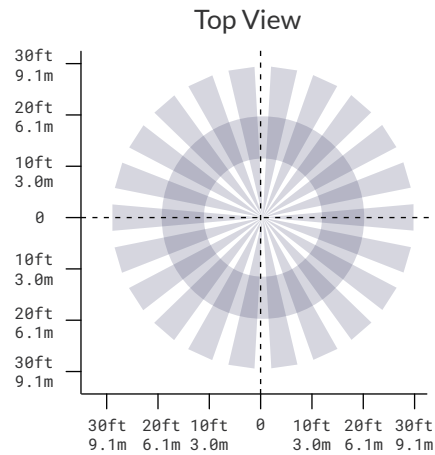
Magnetic reset: Touch the top part of sensor for 5 seconds.

Reliable Performance

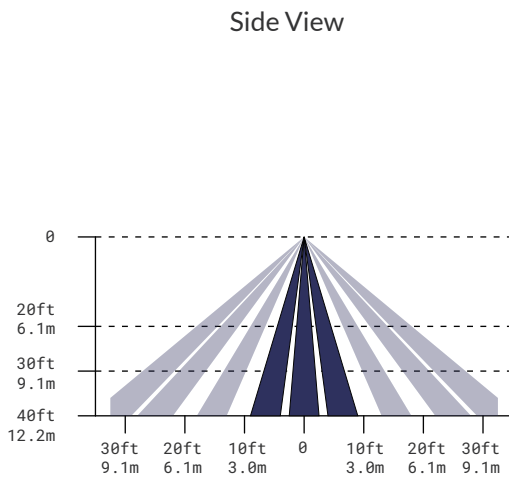
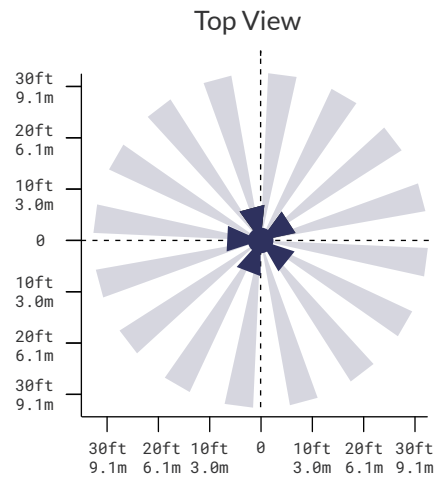
IP65-rated enclosure and wide operating temperature (-40°F to 167°F) withstand harsh outdoor conditions.

DETECTION AREA

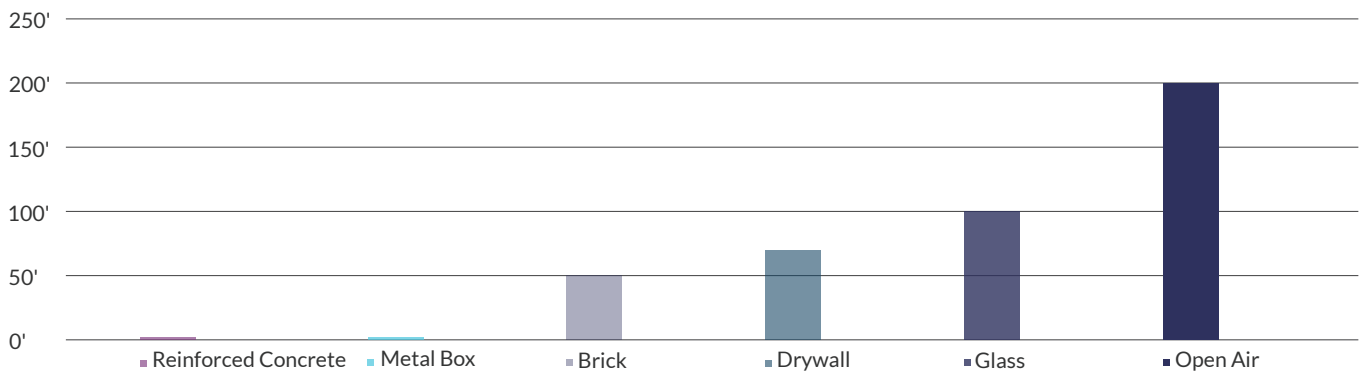
Low Bay Lens 360°



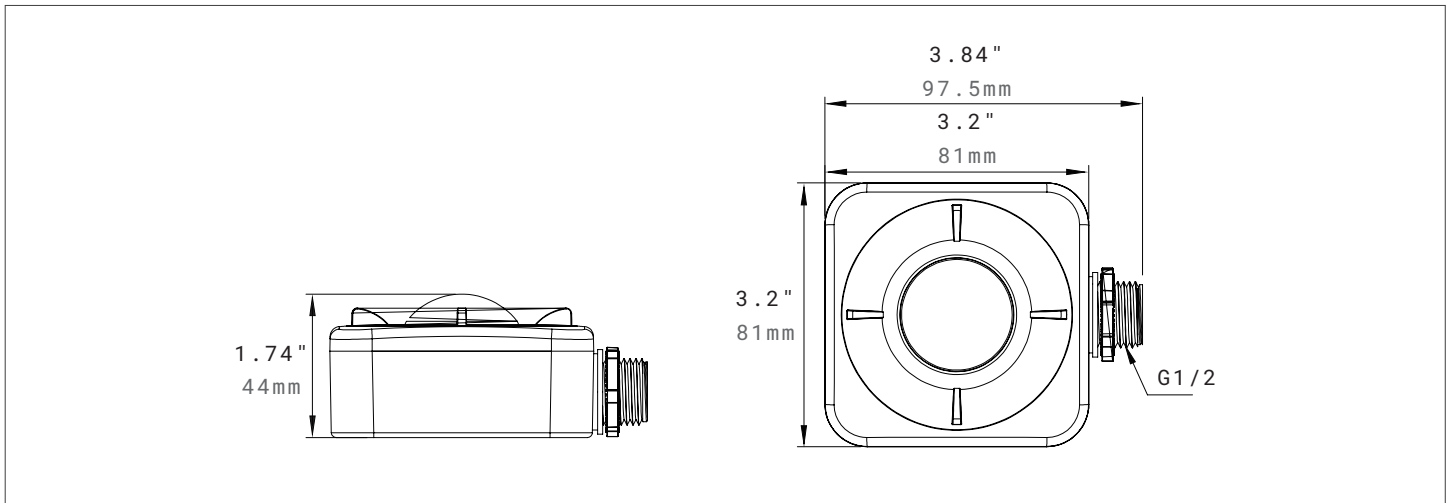
High Bay Lens 360°



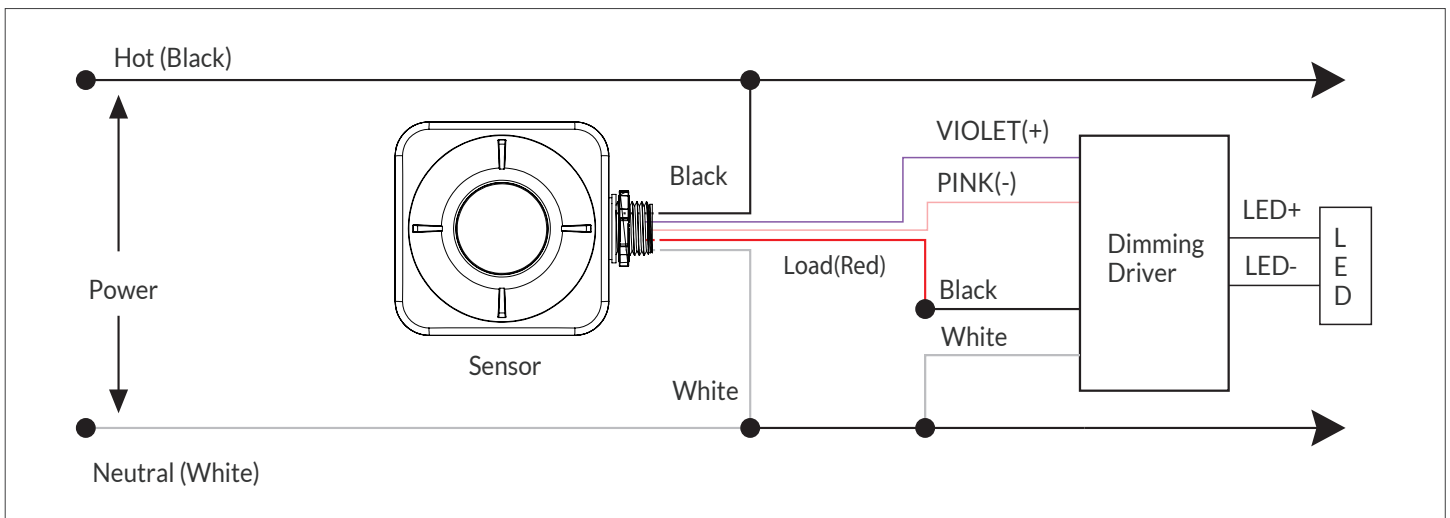
Devices Communication Distance



DIMENSIONS



WIRING DIAGRAM



WARRANTY

5 years limited warranty.